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## (54) METHOD FOR OBTAINING DNA CAPABLE OF ENCODING THERMOSTABLE PHYTASE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new phytase having improved properties, more generally speaking a large amount of a polypeptide having the phytase activity for inositol phosphate including the phytase (the phytase activity).

SOLUTION: This method for obtaining a DNA encoding a thermostable polypeptide having the phytase activity or a DNA capable of encoding a fragment of the polypeptide still having the phytase activity from 12 specific species of thermostable fungi by hybridization using a specific probe derived from a DNA from *Myceliophthora thermophila*, *Aspergillus nidulans*, *Aspergillus fumigatus*, *Aspergillus terreus* 9A1 or *Talaromyces thermophilus*.